**KNOWS:**

* **Names of lab equipment**
* **Names and Locations of lab safety equipment and materials**
* **Proper precautions to avoid accidents in the lab area**
* **Proper procedures in the event of an accident**

**UNDERSTANDS :**

* **By being familiar with the lab area and applying proper precautions and procedures, lab activities can be safe and fun.**

**DOS:**

* **Students will be able to identify and apply proper use of lab materials and techniques they will also locate lab safety equipment and materials**

**Unit :** Lab Safety

**Day One:**

**EQ:** Can you identify the proper lab equipment needed to perform the lab by pre reading the lab?

**Activating Strategy:** How much do you know about lab safety….Red card : not much Yellow card: I am familiar with it but could use some brushing up. Green card: I could ace a test right now, as they walk in.

Group students into groups of readiness,( a red a yellow and a green).

Various lab scenarios will be presented and read aloud via power point. Assign each group a particular lab station to retrieve materials and techniques from to bring back to the group.

* *Write techniques such as wafting, no horseplay (use your lab safety contract as a guide) on index cards.*

Use as many scenarios as class will allow. Allow students to compare their choices of equipment and techniques and justify their reasoning. This will also help encourage opinions in class, and show that there isn’t always just one answer.

**Summarizing Strategy: 3-2-1-----**  **3**-things you learned today **2**- pieces of equipment you would like to learn how to use better. **1**- Technique you will pay more attention to and improve upon in the lab this year.

**Day Two:**

**EQ:** Can you recognize and locate lab equipment and safety materials in this classroom?

**Activating Strategy:** Using Array inventory (Rabbit, Eyore, Pooh and Tigger)group no more than 4 students. Give students a large piece of paper to list lab and safety equipment that they are already aware of or have been introduced to. Because of our activity yesterday everyone should at least have one item to add to the list.

Make a collaborative list as a class on the whiteboard. Group them into safety equipment and lab equipment.

Hand students out a blank floor plan of the classroom. Have students look around the room and label on their floor plan where the listed equipment is located. Use two different colors one color for safety equipment and one color for lab equipment.

**Day Three:**

Have students make labels using words, pictures or both to help located various lab and safety equipment. Use your room as a guide or only have students make labels for the most used materials. Use appropriate size, a safety shower sign would be smaller than a sign for a drawer that the tongs are located in.

**Summarizing Strategy:** Write a letter to the absent student on what you have learned about lab safety, over the last few days. Make sure to incorporate that all the lab and safety equipment will be labeled in the room; your letter should focus more on techniques and behaviors.

Send students home with their safety contract and have the student and parent sign the form and return it to teacher.